

Recombinant Anti-FKBP8 Rabbit mAb

Catalog # AP95284

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q14318
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	44562

Additional Information

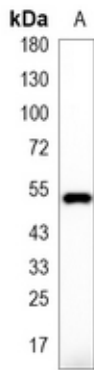
Gene ID	23770
Other Names	FKBP38; Peptidyl-prolyl cis-trans isomerase FKBP8; PPIase FKBP8; 38 kDa FK506-binding protein; 38 kDa FKBP; FKBP-38; hFKBP38; FK506-binding protein 8; FKBP-8; FKBP38; Rotamase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human FKBP8 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

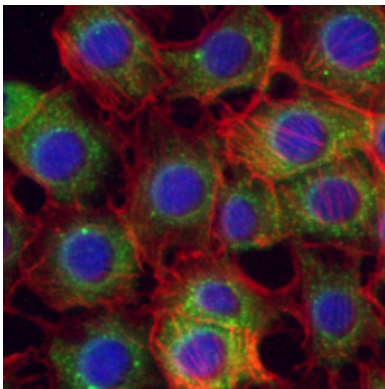
Name	FKBP8
Synonyms	FKBP38
Function	Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis. Involved in the inhibition of viral infection by influenza A viruses (IAV) (PubMed: 28169297).
Cellular Location	Mitochondrion. Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side [Isoform 3]; Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side
Tissue Location	Widely expressed. Highest levels seen in the brain. Highly abundant in the

retina.

Images



Western blot analysis of FKBP8 expression in Jurkat (A) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 52 kD)



Immunofluorescent analysis of FKBP8 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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